

<b>AMENDMENT TRANSMITTAL LETTER</b>				Docket Number SHM-01901																																																		
Application Number 10/033,669		Filing Date December 28, 2001	Examiner BERNATZ, Kevin M.		Group Art Unit 1773																																																	
Invention Title <b>SPIN TUNNEL MAGNETORESISTIVE EFFECT FILM AND ELEMENT, MAGNETORESISTIVE SENSOR USING SAME, MAGNETIC APPARATUS, AND METHOD FOR MANUFACTURING SAME</b>																																																						
<p><b>TO THE COMMISSIONER FOR PATENTS</b></p> <p>Transmitted herewith is an amendment in the above-identified application, including:</p> <p>(X) Amendment and Response; and (X) Postcard Receipt</p> <p style="text-align: center;"><b>CLAIMS AS AMENDED</b></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 25%;"></th> <th style="width: 10%;">(1)</th> <th style="width: 10%;"></th> <th style="width: 10%;">(2)</th> <th style="width: 10%;">(3)</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> <tr> <th></th> <th>CLAIMS REMAINING AFTER AMENDMENT</th> <th></th> <th>HIGHEST NUMBER PREVIOUSLY PAID FOR</th> <th>PRESENT NUMBER EXTRA</th> <th>RATE</th> <th>FEE</th> </tr> </thead> <tbody> <tr> <td>TOTAL CLAIMS</td> <td style="text-align: center;">23</td> <td style="text-align: center;">Minus</td> <td style="text-align: center;">29</td> <td style="text-align: center;">0</td> <td style="text-align: center;">x \$18</td> <td style="text-align: center;">\$0</td> </tr> <tr> <td>INDEPENDENT CLAIMS</td> <td style="text-align: center;">4</td> <td style="text-align: center;">Minus</td> <td style="text-align: center;">4</td> <td style="text-align: center;">0</td> <td style="text-align: center;">x \$86</td> <td style="text-align: center;">\$0</td> </tr> <tr> <td>MULTIPLE DEPENDENT CLAIM ADDED</td> <td colspan="4"></td> <td style="text-align: center;">\$290</td> <td></td> </tr> <tr> <td colspan="5"></td> <td style="text-align: center;"><b>TOTAL</b></td> <td style="text-align: center;"><b>\$0</b></td> </tr> <tr> <td colspan="4">If applicant has small entity status under 37 CFR 1.9 and 1.27, then divide total fee by 2, and enter amount here.</td> <td colspan="2" style="text-align: center;"><b>SMALL ENTITY TOTAL</b></td> <td style="text-align: center;">\$</td> </tr> </tbody> </table> <p style="margin-top: 10px;">         * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.          ** If the highest number previously paid for IN THIS SPACE is less than 20, enter "20."          *** If the highest number previously paid for IN THIS SPACE is less than 3, enter "3."       </p> <p>The "highest number previously paid for" (total or independent) is the highest number found in the appropriate box in column 1.</p> <p>( ) Please charge <b>Deposit Account Number 03-1721</b> in the amount of \$_____. A duplicate copy of this sheet is enclosed.</p> <p>( ) A check in the amount of \$_____ to cover the filing fee,</p> <p>(X) Please credit any overpayment and/or charge any additional filing fees required under 37 CFR §§ 1.16 and 1.17 to our <b>Deposit Account Number 03-1721</b>. A duplicate copy of this sheet is enclosed.</p> <div style="margin-top: 20px; display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Donald W. Muirhead, Reg. No. 33,978</p> <p>July 15, 2004 Date</p> </div> <div style="width: 45%; border: 1px solid black; padding: 10px; text-align: center;"> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 15, 2004.</p> <p>Tracy A. Newell</p> </div> </div>							(1)		(2)	(3)				CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT NUMBER EXTRA	RATE	FEE	TOTAL CLAIMS	23	Minus	29	0	x \$18	\$0	INDEPENDENT CLAIMS	4	Minus	4	0	x \$86	\$0	MULTIPLE DEPENDENT CLAIM ADDED					\$290							<b>TOTAL</b>	<b>\$0</b>	If applicant has small entity status under 37 CFR 1.9 and 1.27, then divide total fee by 2, and enter amount here.				<b>SMALL ENTITY TOTAL</b>		\$
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(10-95)

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Junichi FUJIKATA et al.

Appl. No.: 10/033,669

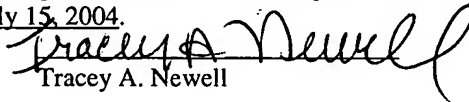
Filed: December 28, 2001

For: SPIN TUNNEL MAGNETORESISTIVE  
EFFECT FILM AND ELEMENT,  
MAGNETORESISTIVE SENSOR USING  
SAME, MAGNETIC APPARATUS AND  
METHOD FOR MANUFACTURING SAME

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: Art Unit: 1773  
:  
: Examiner: BERNATZ, Kevin M.  
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: Atty Docket: SHM-01901  
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**CERTIFICATE OF MAILING**

I hereby certify that the foregoing document is being deposited with the United States Postal Service as first class mail, postage prepaid, "Post Office to Addressee", in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 15, 2004.

  
Tracey A. Newell

**RESPONSE TO OFFICE ACTION**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This paper is being provided in response to the Final Office Action dated April 22, 2004, for the above-captioned U.S. patent application.

**A Listing of Claims** begins on page 2 of this paper.

**Remarks** begin on page 10 of this paper.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those which may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required for consideration of this paper (including fees for net addition of claims) are authorized to be charged in two originally-executed copies of an Amendment Transmittal Letter filed herewith.